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where X is H, -COOH, -OSO₃H, or (CH₂)_qSO₃H where q is 0 or 1, and R represents (Y)_m where Y is an amide linked amino acid residue and m is 1-3, Z' and Z are the same or different and represent hydroxyl or alkoxy, or Z' and Z together form an acetonide group, and wherein free NH₂ groups in the compound of the formula I are capped with a cap monomer.

19. A combinatorial library as claimed in claim 18 wherein X is H, -COOH, -OSO₃H, or (CH₂)_qSO₃H where q is 0 or 1, Z and Z' are both hydroxyl or together form an acetonide group, R represents -NHCOR¹, wherein R¹ represents

(a) -C(CH₃)(NH₂)CH₂--R², wherein R² is alkoxy; or

(b) -CHR³R⁴ wherein R³ is hydrogen or -NH₂, and R⁴ is -R⁵ wherein R⁵ is

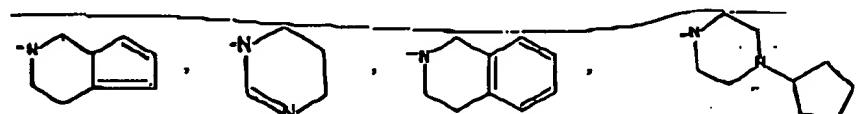
halogen, alkyl, or alkoxy,
 -CH₂N(CH₃)CH₂CH₂R⁶ or -N(CH₃)CH₂CH₂R⁶

wherein R⁶ is halogen,

-CH₂N(CH₃)CO- -CH₂NHCOCH(CH₃)₂, or -CH₂N(C₂H₅)CH₂CH(CH₃)OH, or -

R⁴ represents (CH₂)_nR⁸ wherein n = 0 to 5, R⁸ is halogen, -R⁹ wherein R⁹ is

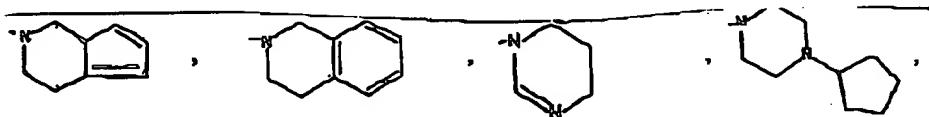
alkoxy,



$-\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{R}^{10}$ wherein R^{10} is halogen, $-\text{N}(\text{C}_2\text{H}_5)\text{CH}_2\text{CH}(\text{CH}_3)\text{OH}$, or $-\text{NHCOCH}(\text{CH}_3)_2$ and wherein free amino groups are protected with a cap monomer.

20. A combinatorial library as claimed in claim 18 wherein X is $-\text{COOH}$, and R represents $-\text{NHCOR}^1$ wherein R^1 represents $-\text{CHR}^3\text{R}^4$ wherein R^3 is hydrogen, and R^4 is $(\text{CH}_2)_n\text{R}^8$

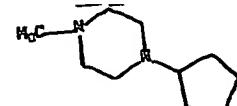
wherein $n = 0$ to 5 , preferably 1 to 4 , R^8 is halogen,  $-\text{R}^9$ wherein R^9 is alkoxy, halogen, or alkyl,



or $-\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{R}^{10}$ wherein R^{10} is halogen, $-\text{N}(\text{C}_2\text{H}_5)\text{CH}_2\text{CH}(\text{CH}_3)\text{OH}$, or $-\text{NHCOCH}(\text{CH}_3)_2$.

21. A combinatorial library as claimed in claim 18 wherein, X is $-\text{COOH}$, and R represents $-\text{NHCOR}^1$ wherein R^1 represents $-\text{CHR}^3\text{R}^4$ wherein R^3 represents $-\text{NH}_2$, and R^4

is  $-\text{R}^5$ wherein R^5 is halogen, alkyl or alkoxy,



$-\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{R}^6$ wherein R^6 is halogen, $-\text{CH}_2\text{N}(\text{C}_2\text{H}_5)\text{CH}_2\text{CH}(\text{CH}_3)\text{OH}$, $-\text{CH}_2\text{NHCOCH}(\text{CH}_3)_2$

or $-\text{CH}_2\text{N}(\text{CH}_3)\text{CO}-$ 

22. A combinatorial library as claimed in claim 18 wherein X is $-\text{OSO}_3\text{H}$, or $(\text{CH}_2)^q\text{SO}_3\text{H}$ where q is 0 or 1, R represents $-\text{NHCOR}^1$ wherein R^1 represents $-\text{CHR}^3\text{R}^4$ wherein R^3 represents $-\text{NH}_2$, and R^4 is

- R^5 wherein R^5 is halogen, alkyl, or alkoxy, -
 $\text{CH}_2\text{N}(\text{C}_2\text{H}_5)\text{CH}_2\text{CH}(\text{CH}_3)\text{OH}$, or
 $-\text{CH}_2\text{NHCOCH}(\text{CH}_3)_2$.
